

FIG I (STOMACH)
EMPTY

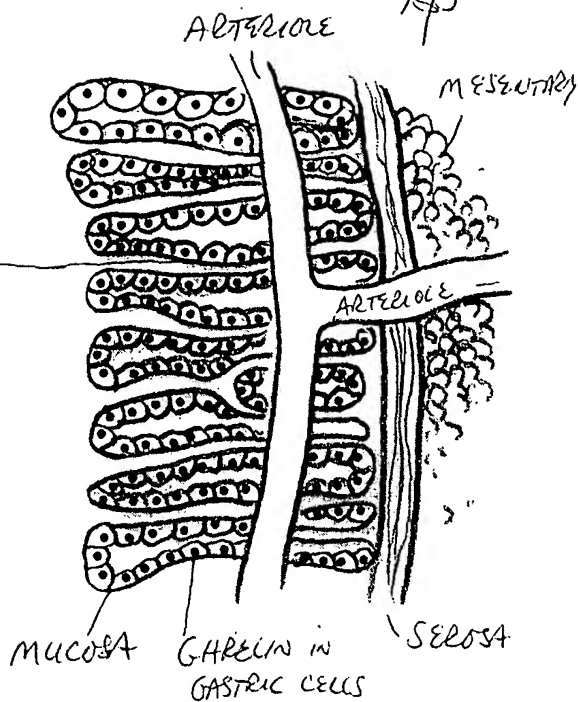


FIG II (STOMACH MUCOSA)

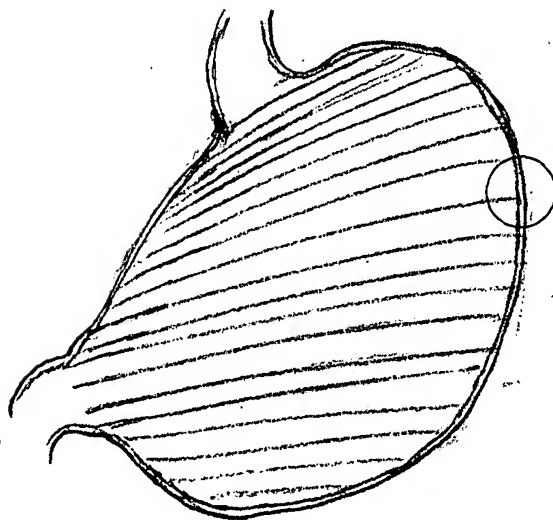


FIG III STOMACH
FULL

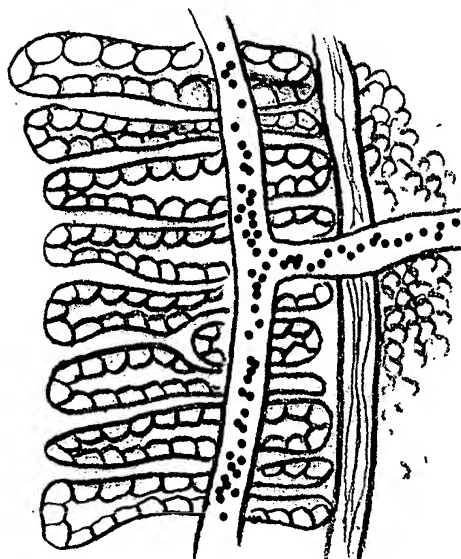


FIG IV
GASTRIC CELLS RELEASED FROM
GASTRIC CELLS INTO BLOOD

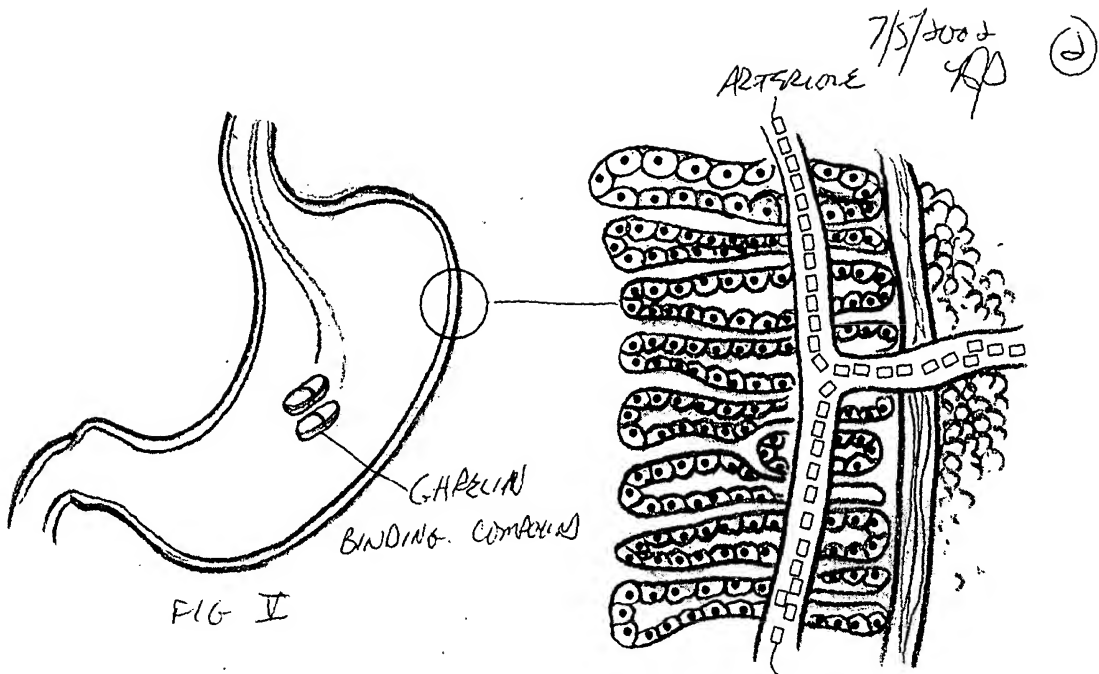
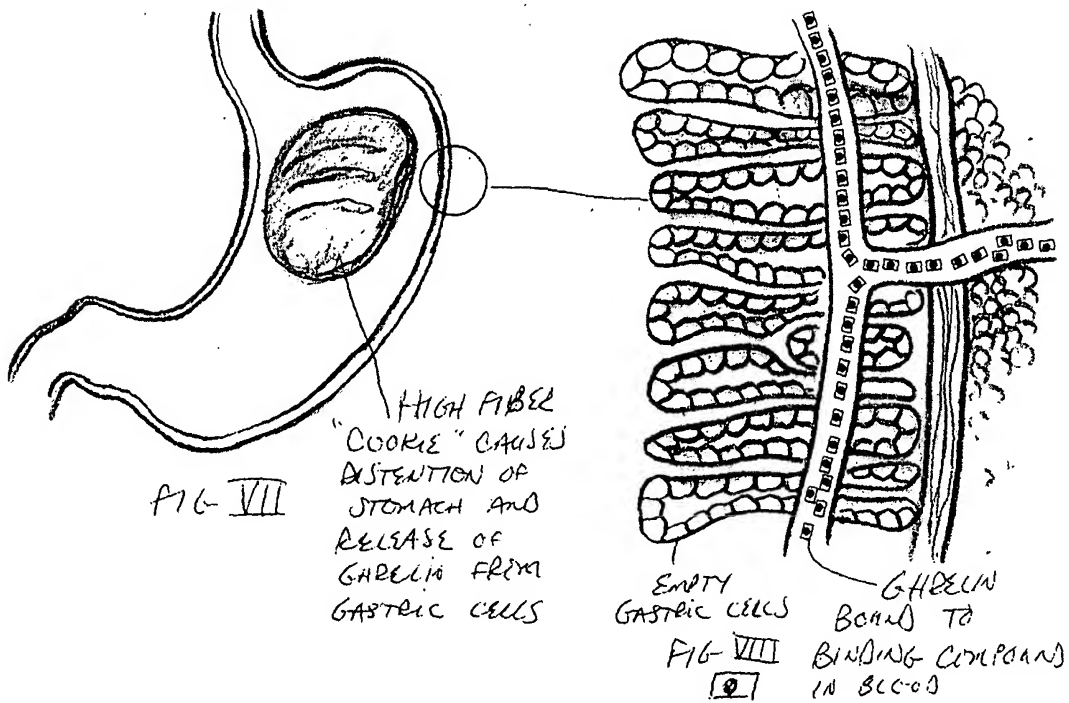
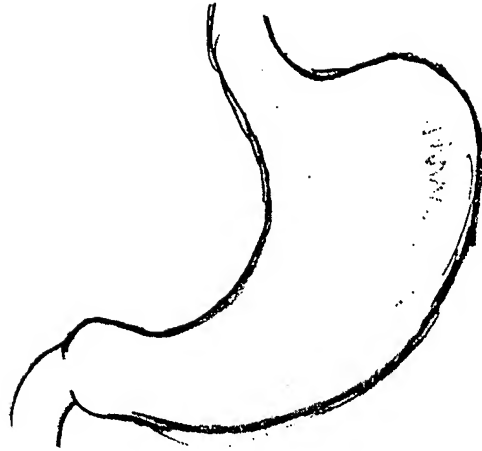


FIG VI
GHRELIN BINDING COMPOUND
ABSORBED BY MUCOSA AND IN
BLOOD □



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AD



— STOMACH
BEFORE LONG TERM
APETITE SUPPRESSANT
USE

FIG 9



— STOMACH
AFTER SEVERAL
MONTHS OF APETITE
SUPPRESSANT USE

FIG 10

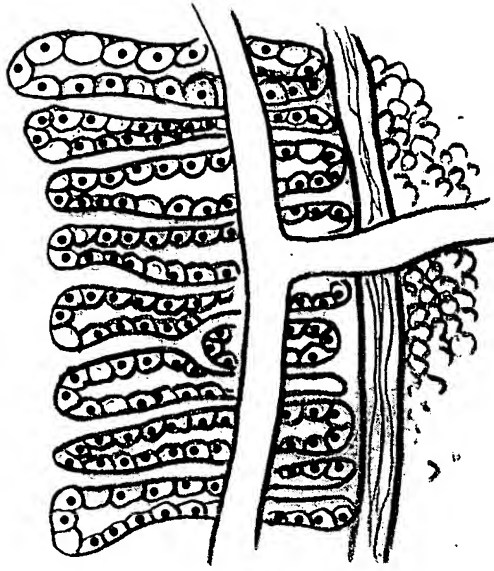


— STOMACH
AFTER 6 SIX MONTHS
OF APETITE SUPPRESSANT
USE 50-60% DECREASED IN SIZE

PHYSIOLOGIC GASTRIC BYPASS

FIG 11

7/5/2002 AP (4)



STOMACH MUCOSA

BEFORE LONG TERM
APPETITE SUPPRESSANT USE
GHRELIN ACLS 95% of
GHRELIN GASTRIC CELLS

FIG 12

STOMACH MUCOSA

AFTER THREE MONTHS
USE GHRELIN ACLS
80% of GHRELIN GASTRIC
CELLS

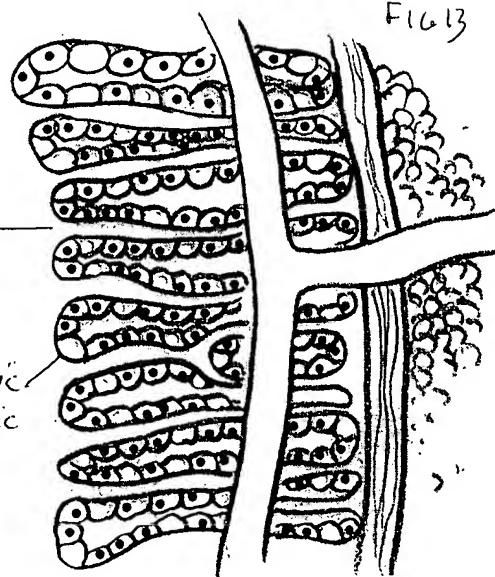
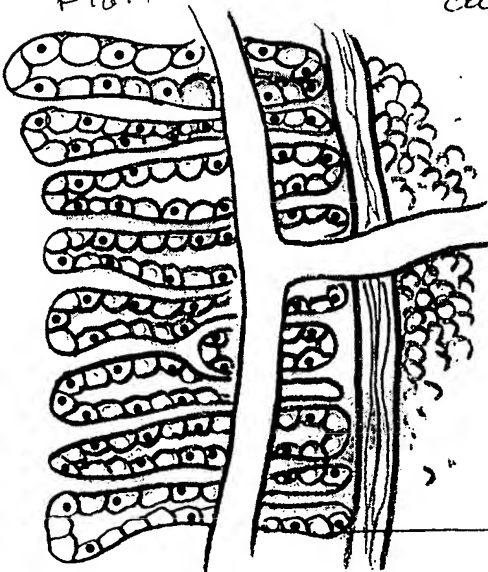


FIG 13

ATROPHIC
GHRELIN GASTRIC
CELL

FIG 14



STOMACH MUCOSA

AFTER SIX MONTHS
GHRELIN ACLS ONLY
50-60% of GHRELIN
GASTRIC CELLS

PATHOLOGIC GASTRIC BYPASS

ATROPHIC GHRELIN GASTRIC CELL

7/5/2002
JP (5)

